

PHOTODEFINABLE POLYMERS
FOR SEMICONDUCTOR APPLICATIONS

Abstract of the Disclosure

A polymer system for semiconductor applications may be formed by blending a filler material including Zirconia or silica and a polybenzoxazole precursor for a photodefinable
5 polymer. The filler may be chosen so as not to adversely affect the photodefinability of the resulting system and, in some embodiments, may improve the mechanical or chemical properties of the resulting system.